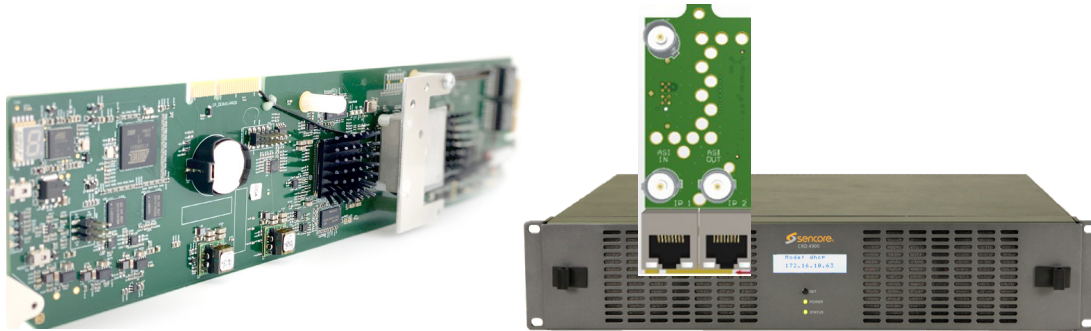# ATSC 1.0/3.0 RF Demodulator/Gateway

AG 2700

The AG 2700 is a versatile and dense solution for receiving ATSC 1.0 and 3.0 RF signals and turning them around to ASI and IP outputs useful for retransmission by MVPDs and others. By supporting both legacy ATSC 1.0 and the new ATSC 3.0 standard, the AG 2700 allows users to future-proof the retransmission reception infrastructure being put in place.

The card integrates into the industry standard 2RU openGear frame or Sencore's proprietary CRD 4900 frame, both of which support up to 10 receivers per chassis. This provides the perfect density for receiving all the broadcast channels in a majority of markets.

The hot-swappable card provide for effortless system expansion, while full SNMP, a syslog interface, and an HTTP-based API support quick and easy integration into multichannel systems. For individual operators, the product features an easy to use webUI that will be immediately familiar to users of Sencore products.

ATSC 1.0 (8VSB) Turn-Around

Receive ATSC 1.0 RF signals, demodulate the RF, and transmit the content via ASI and/or IP. The content can then be distributed for retransmission purposes for cable, IPTV, and direct-to-home satellite on existing systems.

ATSC 3.0 Turn-Around

Receive ATSC 3.0 RF signals, demodulate the RF and transmit the content via IP. The content can then be transcoded and distributed for retransmission purposes for cable, IPTV, and direct-to-home satellite on existing systems.

SPECIFICATIONS

INPUT

Input Type	ATSC 1.0 and 3.0 via RF
RF Connector Type	75ohm BNC
RF Frequency Range	42 to 870 MHz
RF Sensitivity	-20 to 30 dBmV

OUTPUTS

IP Outputs	2x RJ45, 10/100/1000 Auto-Neg.
Addressing	Unicast or Multicast
ATSC 3.0 IP Encapsulation	Raw ATSC 3.0 IP, RIST, MPE, L2TP
ASI Output	1x 75ohm BNC

MANAGEMENT

User Interfaces	Full control via webUI
Automation Interfaces	SNMP status, traps Syslog alarm output HTTP web services API
Authentication	Local login, TACACS+

ORDERING INFO

AG 2700	Base card with ATSC 1.0 to ASI and/or IP capabilities
AG 27901	License to add ATSC 3.0 to IP capabilities to AG 2700
AG 27925	License to add RTP and SMPTE 2022 CoP3 FEC IP output